

# Converting Colors

YIQ(197.2800, 21.0840, 36.4120)

Have a look what the booklet for  
YIQ(197.2800, 21.0840, 36.4120)  
contains.

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# Color

**YIQ(197.2800, 21.0840,  
36.4120)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F0A8EC
RGB	240, 168, 236
RGB Percent	94%, 66%, 93%
CMY	0.0586, 0.3413, 0.0745
CMYK	0.00, 0.30, 0.02, 0.06
HSL	303°, 71%, 80%
HSV	303°, 30%, 94%
XYZ	65.0922, 52.5855, 86.0822
YIQ	197.2800, 21.0840, 36.4120

# Conversions

## Conversions Part 2

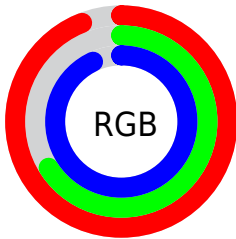
Format	Color
R <sub>Y</sub> B	240, 168, 236
Decimal	15771884
CIE Lab	77.63, 37.15, -23.50
CIE LCh	78, 43.959, 327.680
Yxy	52.5855, 0.3195, 0.2581
Android (android.graphics.Color)	4293961964 (0xFFFF0A8EC)
YUV	197.2800, 19.0890, 37.4654
Hunter-Lab	72.5159, 33.3236, -19.6209

# Details

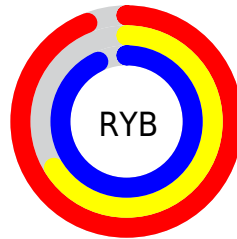
The YIQ color  $197.2800, 21.0840, 36.4120$  is a light color, and the websafe version is hex  $CC99CC$ . A complement of this color would be  $210.7200, -21.0840, -36.4120$ , and the grayscale version is  $197.0000, -0.0000, -0.0000$ .

A 20% lighter version of the original color is  $236.8030, 8.5250, 16.2130$ , and  $142.7420, 19.6630, 34.6310$  is the 20% darker color. If you saturate the color by 10%, you get  $183.0780, 28.0050, 48.6530$ , and if you desaturate by 10%, it is  $211.4820, 14.1630, 24.1710$ .

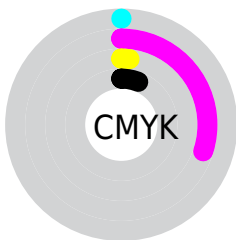
# Distribution



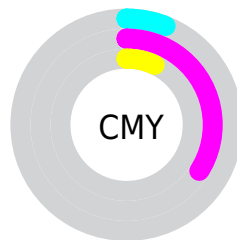
- Red (94%)
- Green (66%)
- Blue (93%)



- Red (94%)
- Yellow (66%)
- Blue (93%)



- Cyan (0%)
- Magenta (30%)
- Yellow (2%)
- Black (6%)



- Cyan (6%)
- Magenta (34%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 197.2800, 21.0840, 36.4120 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 197.2800, 21.0840, 36.4120 by changing the saturation by 10% instead.



197.2800, 21.0840,  
36.4120

197.2800, 21.0840,  
36.4120

255.0000, -0.0000,  
-0.0000

169.5680, 20.2130,  
35.6770

236.8030, 8.5250,  
16.2130

142.7420, 19.6630,  
34.6310

253.8260, 0.5500,  
1.0460

116.0300, 18.7920,  
33.8960

90.6170, 18.5170,  
33.3730

65.9050, 17.6460,  
32.6380

40.1330, 17.0040,  
33.2600

22.1170, 13.9330,

28.3410

■ 13.3300, 8.4790,  
17.0470

■ 0.5700, -1.6050,  
1.5550

■ 197.2800, 21.0840,  
36.4120

■ 197.2800, 21.0840,  
36.4120

■ 183.0780, 28.0050,  
48.6530

■ 211.4820, 14.1630,  
24.1710

■ 168.7620, 35.2470,  
60.5830

■ 225.7980, 6.9210,  
12.2410

■ 154.5600, 42.1680,  
72.8240

■ 240.0000, -0.0000,  
-0.0000

■ 140.3580, 49.0890,  
85.0650

■ 248.9190, -4.4460,  
-7.5340

126.0420, 56.3310,  
96.9950

249.1470, -5.0880,  
-6.9120

111.8400, 63.2520,  
109.2360

249.2610, -5.4090,  
-6.6010

97.6380, 70.1730,  
121.4770

249.3750, -5.7300,  
-6.2900

249.6030, -6.3720,  
-5.6680

249.7170, -6.6930,  
-5.3570

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



193.0130, -18.0690, 24.6110



197.2800, 21.0840, 36.4120



192.6230, 44.7430, 31.6470

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



197.2800, 21.0840, 36.4120



188.8610, 45.0270, -17.5730



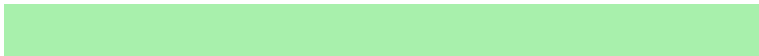
151.0230, -131.7630, -40.4910

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



197.2800, 21.0840, 36.4120



210.7200, -21.0840, -36.4120

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



167.2790, -76.8820, -38.4020



197.2800, 21.0840, 36.4120



184.9600, 13.5310, -30.4770

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



197.2800, 21.0840, 36.4120



191.9210, 63.1340, 1.1980



178.6100, -26.5860, -35.8180



159.5490, -120.9000, -22.5960



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



197.2800, 21.0840, 36.4120



189.4310, 53.7310, 22.9390



178.6100, -26.5860, -35.8180



149.5410, -127.5900, -44.5340

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



197.2800, 21.0840, 36.4120



241.3850, 6.6460, 11.7180



177.4040, -20.7280, 23.2400



119.0810, 4.4460, 7.5340



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



197.2800, 21.0840, 36.4120



200.4260, 26.9050, 46.5610



193.1760, 32.6400, 25.2160



112.8420, 3.6210, 5.9650



74.7380, 54.1310, 92.8110



22.7860, 16.3630, 28.3550



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



197.2800, 21.0840, 36.4120



200.4260, 26.9050, 46.5610



214.8240, -32.6400, -25.2160



112.8420, 3.6210, 5.9650



74.7380, 54.1310, 92.8110



22.7860, 16.3630, 28.3550



# Previews

## White Background



This preview shows how the YIQ color 197.2800, 21.0840, 36.4120 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

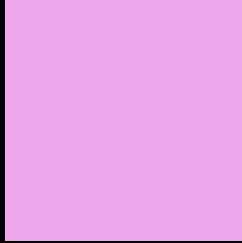
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 197.2800, 21.0840, 36.4120 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

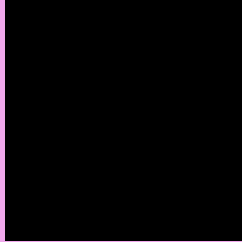
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 197.2800, 21.0840, 36.4120

## Background



This preview shows how black text looks on a background with the YIQ color 197.2800, 21.0840, 36.4120.



This preview shows how white text looks on a background with the YIQ color 197.2800, 21.0840,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

197.2800, 21.0840, 36.4120

### Protanopia

192.8820, -28.2460, 16.3140

### Deuteranopia

193.9130, -12.3360, 14.3200



## Tritanopia

195.5250, 29.7990, 16.1270

# Trichromacy



## Original Color

197.2800, 21.0840, 36.4120



## Protanomaly

194.3790, -10.4120, 23.5080



## Deuteranomaly

195.3000, -0.0040, 22.1080



## Tritanomaly

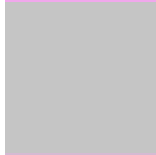
196.3000, 26.3590, 23.4070

# Monochromacy



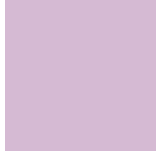
## Original Color

197.2800, 21.0840, 36.4120



## Achromatopsia

197.0000, -0.0000, -0.0000



## Achromatomaly

196.9230, 8.0670, 13.4990

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 197.2800, 21.0840, 36.4120 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(240, 168, 236)` looks like.

```
.text, #text, p{  
    color:rgb(240, 168, 236)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(240, 168, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 168, 236) }
```

## Border

The CSS property to change the border of an element to YIQ 197.2800, 21.0840, 36.4120 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(240, 168, 236) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(240, 168, 236) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(240, 168, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 168, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 168, 236);  
box-shadow:4px 4px 4px 4px rgb(240, 168,  
236) }
```

# Background

The CSS property to change the background color of an element to YIQ 197.2800, 21.0840, 36.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 168, 236) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(240,  
168, 236) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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